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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/056,647	01/22/2002	Ravi Prasad	10015567-1	9854
7590 05/26/2004			EXAMINER	
HEWLETT-PACKARD COMPANY			MAPLES, JOHN S	
Intellectual Property Administration P.O. Box 272400			ART UNIT	PAPER NUMBER
Fort Collins, CO 80527-2400			1745	

DATE MAILED: 05/26/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/056,647	PRASAD ET AL.
Office Action Summary	Examiner	Art Unit
	John S. Maples	1745
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet wi	th the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a r within the statutory minimum of thin rill apply and will expire SIX (6) MON cause the application to become AE	eply be timely filed y (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
Status		
1) Responsive to communication(s) filed on  2a) This action is FINAL. 2b) This  3) Since this application is in condition for allowan closed in accordance with the practice under E	action is non-final. nce except for formal matt	·
Disposition of Claims		
4)⊠ Claim(s) <u>1-52</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5)□ Claim(s) is/are allowed. 6)□ Claim(s) is/are rejected. 7)□ Claim(s) is/are objected to. 8)⊠ Claim(s) <u>1-52</u> are subject to restriction and/or e		
Application Papers		
9) The specification is objected to by the Examiner 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction.  The oath or declaration is objected to by the Examiner	epted or b) objected to drawing(s) be held in abeyan on is required if the drawing(	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
<ul> <li>12) Acknowledgment is made of a claim for foreign</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents</li> <li>2. Certified copies of the priority documents</li> <li>3. Copies of the certified copies of the priority application from the International Bureau</li> <li>* See the attached detailed Office action for a list of</li> </ul>	s have been received. s have been received in A ity documents have been (PCT Rule 17.2(a)).	pplication No received in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413) )/Mail Date formal Patent Application (PTO-152) 

U.S. Patent and Trademark Office PTOL-326 (Rev. 1-04) Application/Control Number: 10/056,647

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## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - Claims 1-35, drawn to a fuel cartridge/reaction chamber, classified in class 422, subclass 211.
  - II. Claims 36-45, drawn to a device/fuel cell, classified in class 429, subclass 34.
  - III. Claims 46-49, drawn to a method of controlling the flow of a reactant, classified in class 137, subclass 14.
  - IV. Claims 50-52, drawn to a method of supply a gaseous fuel to a device, classified in class 137, subclass 1.
- 2. The inventions are distinct, each from the other because of the following reasons:

  Inventions II and I are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination does not require the passive structure being porous and comprising a plurality of capillaries as the subcombination requires. The subcombination has separate utility such as for use with an oil burner or a natural gas furnace.

In addition, Group III is different than Group II or IV because Group III prevents the flow of reactant, which step is not part of the Group II fuel cell or Group IV process. Group II is distinct from Group IV because the latter method could be used in a non-fuel cell environment such as a natural gas furnace. Groups I and IV are different from one another because Group I

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requires a passive structure, which element does not form part of the Group IV process. Finally, the Group I fuel cartridge could be used in materially different process than that of Group III such as a method of controlling flow in a fuel cartridge with a bi-product reservoir.

- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their different classification and recognized divergent subject matter, restriction for examination purposes as indicated is proper.
- 4. A telephone call was made to Timothy Myers on May 24, 2004 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

It is to be noted that the examiner of record would examine only the Group II claims 36-45 because these claims fall within the examiners technology search field.

- 5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).
- 6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John S. Maples whose telephone number is 571-272-1287. The examiner can normally be reached on Monday-Thursday from 6:15-3:45.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

John S. Maples
Primary Examiner
Art Unit 1745

JSM/5-25-2004